

04/05/01

BOX 599 04-06-01  
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

A

UTILITY  
PATENT APPLICATION  
TRANSMITTAL(Only for new nonprovisional applications under  
37 C.F.R. 1.53(b))

Attorney Docket No.

0050.1491-005

First Named Inventor or  
Application Identifier

Leonard P. Guarente

Express Mail Label No.

EL552285593US

Title of  
Invention

GENES DETERMINING CELLULAR SENESCENCE IN YEAST

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

1. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total Pages [42] ]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to microfiche Appendix
  - Background of the Invention
  - Summary of the Invention
  - Brief Description of the Drawings
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets [63] ]  
[ ☒ ] Formal [ ☐ ] Informal  
[ ☐ ] Fig. of the Drawings for Publication [ ☐ ]
4. ☒ Oath or Declaration/POA [Total Pages [12] ]
- a. [ ☐ ] Newly executed (original or copy)
  - b. ☒ Copy from a prior application (37 C.F.R. 1.63(d))  
(for continuation/divisional with Box 18 completed)  
[NOTE Box 5 below]
  - i. [ ☐ ] DELETION OF INVENTOR(S)  
Signed statement attached deleting  
inventor(s) named in the prior  
application, see 37 C.F.R. 1.63(d)(2)  
and 1.33(b).
5. ☒ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a  
copy of the oath or declaration is supplied under Box 4b, is  
considered as being part of the disclosure of the accompanying  
application and is hereby incorporated by reference therein.
6. [ ☐ ] Microfiche Computer Program (Appendix)
7. ☒ Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☒ Computer Readable Copy
  - b. ☒ Paper Copy (identical to computer copy)  
42 Pages
  - c. ☒ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

8. [ ☐ ] Assignment Papers (cover sheet & documents)  
☒ Assignee - Massachusetts Institute of Technology  
Cambridge, Massachusetts
9. [ ☐ ] 37 C.F.R. 3.73(b) Statement [ ☐ ] Power of Attorney  
(when there is an assignee)
10. [ ☐ ] English Translation Document (if applicable)
11. [ ☐ ] Information Disclosure [ ☐ ] Copies of IDS  
Statement (IDS)/PTO-1449 Citations
12. [ ☐ ] Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. [ ☐ ] Small Entity [ ☒ ] Statement filed in prior application,  
Statement(s) status still proper and desired
15. [ ☐ ] Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. [ ☐ ] Nonpublication Request (check parent application)
17. ☒ Other: Transmittal of Sequence Listing; Remarks

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

[ ☐ ] Continuation [ ☒ ] Divisional [ ☐ ] Continuation-in-part (CIP) of prior application No.: 09/323,433

Prior application information: Examiner: Brusca, J.

Group Art Unit: 1631

## 19. CORRESPONDENCE ADDRESS

NAME	Lisa M. Treannie, Esq.				
	HAMILTON, BROOK, SMITH & REYNOLDS, P.C.				
ADDRESS	Two Militia Drive				
CITY	Lexington	STATE	MA	ZIP CODE	02421-4799
COUNTRY	USA	TELEPHONE	(781) 861-6240	FAX	(781) 861-9540

Signature

Lisa M. Treannie

Date

4/5/01

Submitted by

Lisa M. Treannie

Reg. Number

41,368

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Leonard P. Guarente, Nicanor Austriaco, Jr., James J. Claus,  
Francesca Cole and Brian Kennedy

Divisional Application of

Application No.: 09/323,433

Filed: June 1, 1999

For: GENES DETERMINING CELLULAR SENESCENCE IN YEAST

Date: 4/5/01

EXPRESS MAIL LABEL NO. EL552285593 US

REMARKS

Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The above-captioned application is a divisional of application number 09/323,433 filed on June 1, 1999 to which priority is claimed under 35 U.S.C. 120.

The Specification has been amended as follows:

The related applications paragraph has been revised to include reference to the parent application. The Brief Description of the Figures has been amended to conform with the numbering of the figures and to insert the sequence identification numbers referenced in the Sequence Listing, as entered in the Amendment A filed in the parent application.

No new matter has been added.

Respectfully submitted,  
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By

Alice O. Camoll 335428W  
Lisa M. Treannie

Registration No. 41,368

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Lexington, Massachusetts 02421-4799

Dated: April 5, 2001

# HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

<b>FEE TRANSMITTAL FOR PATENT APPLICATIONS</b>	Attorney Docket Number	0050.1491-005		
	Application Number	Divisional of 09/323,433		
	First Named Inventor	Leonard P. Guarente		

  

CLAIM CALCULATION (includes any preliminary amendment)

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
FEE CALCULATION	TOTAL CLAIMS <small>(37 CFR 1.16(c) or (j))</small>	12	– 20* =	0	x \$ 18 = \$ 0
	INDEPENDENT CLAIMS <small>(37 CFR 1.16(b) or (i))</small>	12	– 3** =	9	x \$ 80 = \$ 720
	MULTIPLE DEPENDENT CLAIMS (if applicable) <small>(37 CFR 1.16(d))</small>				+ \$ 270 = \$
				BASIC FEE <small>(37 CFR 1.16(a) or (h))</small>	\$ 710
				Total of above Calculations =	\$ 1430
	Reduction by 50% for filing by small entity <small>(37 CFR 1.9, 1.27, 1.28)</small> =				\$ 715
	TOTAL =				\$ 715
	Surcharge - Late Filing of Declaration or Filing Fees <small>(37 C.F.R. 1.16(e))</small> =				\$
	Petition for Extension of Time Fee <small>(37 C.F.R. 1.17)</small> =				\$
	Assignment Recordation Fee = <small>(only when filed with application)</small>				\$
	* Reissue claims in excess of 20 and over original patent ** Reissue independent claims over original patent			TOTAL =	\$ 715

  

1. Small entity status:

a. ☐ A small entity statement is enclosed.

b. ☒ A small entity statement was filed in the prior non-provisional application and such status is still proper and desired.

c. ☐ Is no longer claimed.

2. ☒ A general authorization is hereby granted to charge deposit account number 08-0380 for any fees required under 37 CFR 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.

3. ☒ A check is enclosed for \$715.00. ☐ Please charge \$[ ] to Deposit Account No. 08-0380.

4. ☐ Other: \_\_\_\_\_

  

Signature	<i>Lisa M. Treannie</i>	Date	4/5/01
Submitted by Typed or Printed Name	Lisa M. Treannie	Reg. Number	41,368

# HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

<b>FEE TRANSMITTAL FOR PATENT APPLICATIONS</b>		Attorney Docket Number		0050.1491-005	
		Application Number		Divisional of 09/323,433	
		First Named Inventor		Leonard P. Guarente	
CLAIM CALCULATION (includes any preliminary amendment)					
CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS <small>(37 CFR 1.16(c) or (j))</small>	12    - 20* =	0	x   \$ 18 =	\$        0
	INDEPENDENT CLAIMS <small>(37 CFR 1.16(b) or (i))</small>	12    - 3** =	9	x   \$ 80 =	\$       720
	MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d))			+ \$ 270 =	\$
				BASIC FEE <small>(37 CFR 1.16(a) or (h))</small>	\$       710
				Total of above Calculations =	\$      1430
	Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27, 1.28) =				\$       715
	TOTAL =				\$       715
	Surcharge - Late Filing of Declaration or Filing Fees (37 C.F.R. 1.16(e)) =				\$
	Petition for Extension of Time Fee (37 C.F.R. 1.17) =				\$
	Assignment Recordation Fee = <small>(only when filed with application)</small>				\$
	* Reissue claims in excess of 20 and over original patent ** Reissue independent claims over original patent				TOTAL = \$       715
<p>1. Small entity status:</p> <p style="margin-left: 40px;">a. <input type="checkbox"/> A small entity statement is enclosed.</p> <p style="margin-left: 40px;">b. <input checked="" type="checkbox"/> A small entity statement was filed in the prior non-provisional application and such status is still proper and desired.</p> <p style="margin-left: 40px;">c. <input type="checkbox"/> Is no longer claimed.</p> <p>2. <input checked="" type="checkbox"/> A general authorization is hereby granted to charge deposit account number 08-0380 for any fees required under 37 CFR 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.</p> <p>3. <input checked="" type="checkbox"/> A check is enclosed for <b>\$715.00</b>.                      <input type="checkbox"/> Please charge \$[    ] to Deposit Account No. 08-0380.</p> <p>4. <input type="checkbox"/> Other: _____</p>					
Signature		<i>Lisa M. Treannie</i>		Date	4/5/01
Submitted by Typed or Printed Name		Lisa M. Treannie		Reg. Number	41,368

LMT/pdd  
04/02/01

EXPRESS MAIL LABEL NO. EL5522 85593 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Leonard P. Guarente, Nicanor Austriaco, Jr., James J. Claus, Francesca Cole and Brian Kennedy

Title: GENES DETERMINING CELLULAR SENESCENCE IN YEAST

TRANSMITTAL OF SEQUENCE LISTING IN COMPUTER READABLE FORM  
IN COMPLIANCE WITH 37 C.F.R. §§1.821(e) AND (f)

Box Sequence  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith is a copy of the "Sequence Listing" in computer readable form as required by 37 C.F.R. §1.821(e). As required by 37 C.F.R. §1.821(f), Applicants' Attorney hereby states that the content of the "Sequence Listing" in paper form and of the computer readable form of the "Sequence Listing" are the same.

Respectfully submitted,

HAMILTON, BROOK, SMITH &amp; REYNOLDS, P.C.

By Lisa M. Treannie  
Lisa M. Treannie  
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Lexington, Massachusetts 02421-4799

Date: 4/5/01